

# EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

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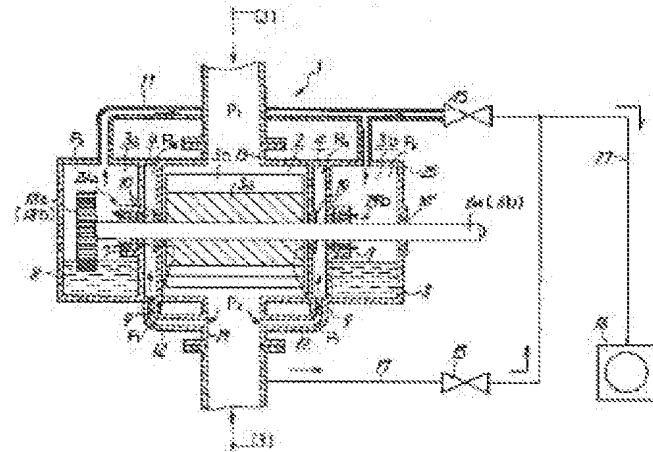
APPLICATION DATE : 13-04-92  
APPLICATION NUMBER : 04119752

APPLICANT : ULVAC JAPAN LTD.

INVENTOR : KAZAMAKI TADAO

INT.CL. : F04C 29/02 F04C 27/00

TITLE : SHAFT SEAL MECHANISM FOR  
POSITIVE DISPLACEMENT VACUUM  
PUMP WITHOUT USING SEALING  
FLUID



ABSTRACT : PURPOSE: To prevent the outflow of lubricating oil to an exhaust chamber from lubricating chambers positively with simple structure without causing the capacity enlargement of the exhaust system of the lubricating chambers.

CONSTITUTION: Intermediate chambers 4 are provided between lubricating chambers 3a, 3b and an exhaust chamber 2 connected to an exhaust system, and sealing members 10 without using sealing fluid are respectively provided at the through parts 24a, 24b of rotary shafts 6a, 6b between the exhaust chamber 2 and intermediate chambers 4 and between the intermediate chambers 4 and lubricating chambers 3a, 3b. The discharge port 13 side of the exhaust chamber 2 is communicated with the intermediate chambers 4 by passages 12 provided with pressure regulating devices 9.

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《中日宋史》

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《日特新報》

特藏号：296171

◎ 亂世關西：明治日本（1868-1890）

POSC 25/02  
27/03

鑄造號：一九四九年  
年月：一九四九年九月  
編號：00007-311

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#### **REFERENCES**

（二）项目名称：《区域经济合作与发展的研究》

10. The following table shows the number of hours worked by 1000 workers in a certain industry.

07028692 128

「物語川端夢の絵本叢書2000種地図」日本農業

新編藏書錄

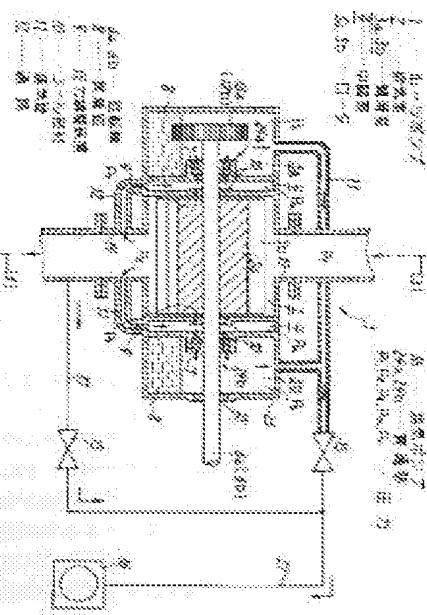
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• 100 • 中国古典文学名著分类集成·元曲卷

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【組合】 簡単な構造で、燃焼室と排気室の大容積化を修むずに、燃焼室から排気室への燃焼ガス漏出を確実に防止する。

(構成) 製剤室3m、3.5mと製薬室に接続された調査室2との間に中間室4を設け、調査室2と中間室4との間及び、中間室4と調査室3m、3.5mとの間の通路壁6は、4.6mの黄道部2.4m、2.8mに封鎖を用いないレバーハンドル1.6mをそれぞれ設け、調査室2の通路壁は1.3mと中間室4とを柱で隔離装置付きで配線した通路1.2mで連絡させる。



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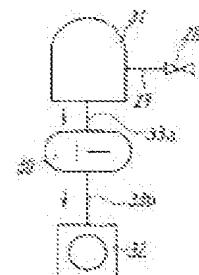
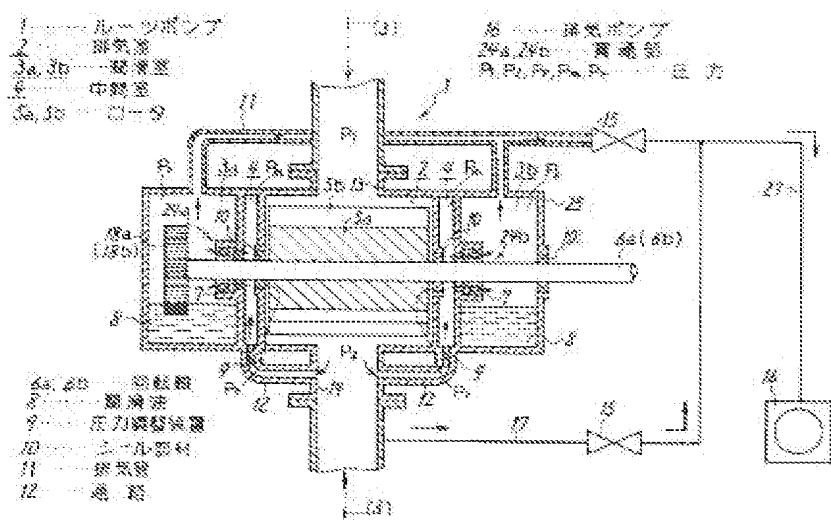
特許第6-296121

- 10c ラビリンスジャル  
11 排気管  
13 通路  
16 排気ポンプ  
19 ばね吸止器  
20 分岐板  
21 斧板  
22 シールリング  
23 放熱  
24a 貨物室

- 24b 熱源部  
L リップ  
R 仕切板  
S 壁  
P<sub>1</sub> 圧力  
P<sub>2</sub> 圧力  
P<sub>3</sub> 圧力  
P<sub>4</sub> 圧力  
P<sub>5</sub> 圧力  
P<sub>6</sub> 圧力  
P<sub>7</sub> 圧力  
P<sub>8</sub> 圧力

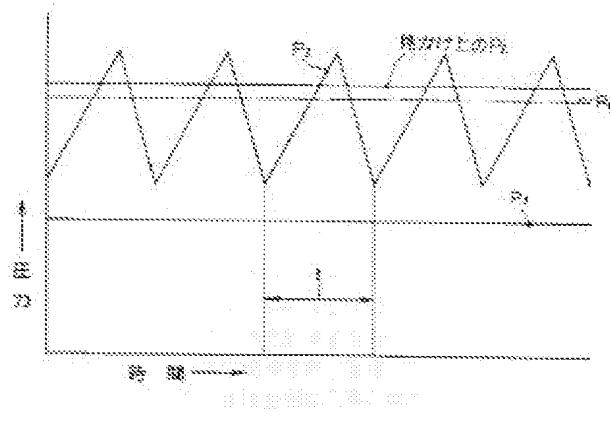
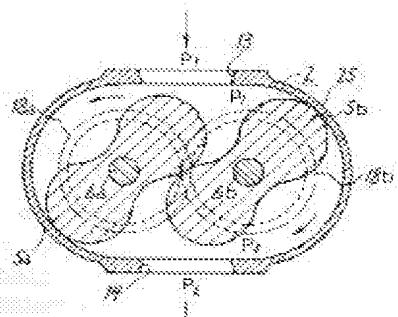
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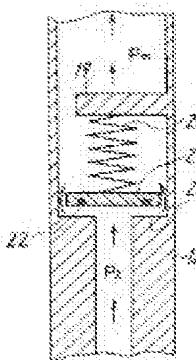


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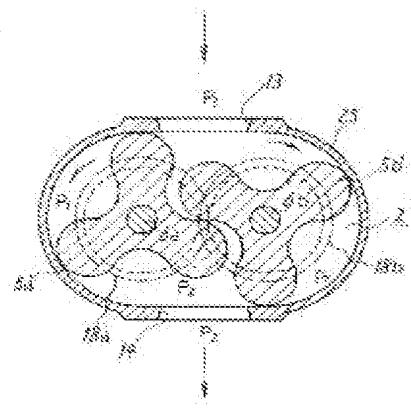
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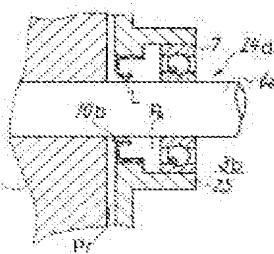
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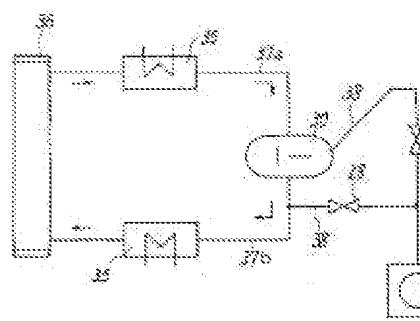
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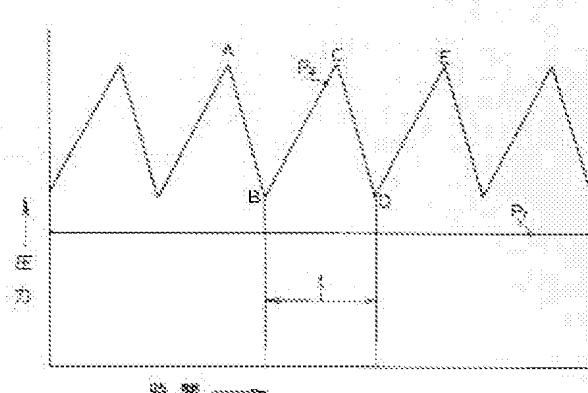
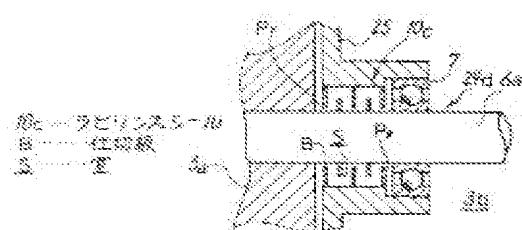
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1886年6月26日

